A

Accounting Practices, Improving, in the Rubber Industry. 151
ACTIVITIES OF THE BUREAU OF STANDARDS RELATING TO RUBBER .A. T. McPherson . . 359
1. Seeking Basic Knowledge of Rubber Qualities
2. Studies of Properties of Rubber
3. Standards of Quality of Rubber Products
4. Testing Rubber Products for Serviceableness
5. Investigational Testing of Rubber Goods
Adams Rubber Suspension Patent Released 355
Advance Rubber Co. Formed 330
Advisory Committee Formed to Aid Industry 313
Aging of Uncured Compounds. 324
Air-Less Tires at Last. 403
Airwheel Tires, Evolution of. R. D. Evans 401
American Society for Testing Materials -
Elects Officers - Committee D-11 270
American Tire Alliance Formed 440
AUTHORS -
Cabato, Pacito. 437
Corley, James R. 233
Evans, R. D.. 401
Harrington, Ruth. 435
Haslan, G. S. 237
Hauser, E.A. 67
Knapp, W. R. 473
Maddy, D.C. 104
Maranon, Joaquin 437
Maywald, Fred. J. 480
McPherson, A.T. 359 477
Montenyohl, V.I. 434
Norris, Nelson H. 357
Pierrot, A. Ogden. 19
Schade, J. W. 192
Seward, H. A. 190
Silver, B. R. 275
Stutz, G.F.A.. 188
Trobridge, G. W. 321
Twiss, Dr. D.F. 65
Wetherbee, B.W. 273

B

Baldwin Rubber Co. -
Financial Report - 1931. 74
Bata Factory in India 199
BELTING -
German Exports 1931. 78
Rubber, Largest in World 77
Bickett Rubber Products Co. Reppens 112
Big Problem of the Insulated Wire Industry is to Sell Above Costs -
H. A. Seward 190

Bishop, Geo. T. -
Heads Committee to Advise Industry. 313
Bondogen. 358
BOOK REVIEWS
American Thermometers. 124
Bibiography of Bibliographies on Chemistry & Chemical Technology 40
Braiding Machinery 40
Colloidal Chemistry, Theoretical and Applied 376
Colored Tire Catalog (Goodrich). 410
Control of Quality and Costs in Batch Mixing and Compounding of Rubber and Heavy Plastics. 40
Cost Accounts in Rubber and Plastic Trades 124
Dunlop 60% Latex 376
Electrical Characteristics of Rubber Insulation. 208
Employes' Suggestion System.. 452
Hard Rubber (Goodrich) 444
Hoyer - Kreuter Technical Dictionary 124
Manufacturing Expense Budget 208
National Directory of Commodity Specifications 452
Native Rubber Cultivation - Eighth Report. 40
Native Rubber Production - 9th Report. 208
Neuzeitliche Reifenreparateuren - Handbuch fur Reparateure 40
Plantation Sheet Rubber Manufacture. 124
Precision Measuring Instruments. 40
Revertex Concentrated Latex 376
Rubber Manufacturers' Association Tire Table 29
Rubber Growers' Association Twenty-Third Annual Report - 1931. 124
Rubber Information 376
Rubber Latex 40
Temperature Controllers. 452
Spreading Work. 124
Standards Yearbook 1932. 208
Symposium on Rubber. 40
Tire and Rim Association Yearbook, 1932. 208
Use of Rubber Latex in the Shoe Trade. 376
Vanderbilt Handbook 1932 191
Wonder Book of Rubber. 208
Zinc Oxide Incorporation in the Banbury Mixer. 452
Zinc Pigments for Rubber 40
Brake Linings, Latest Developments in the Manufacture of Molded - B. W. Wetherbee. 273
British Goodirhc Co. opens Stepney Tire Plant 147
BUREAU OF STANDARDS
Activities of, Relating to Rubber. .A. T. McPherson/ 359
1. Seeking Basic Knowledge of Rubber Qualities
2. Studes of Properties of Rubber
3. Standards of Quality of Rubber Products
4. Testing Rubber Products for Serviceableness
5. Investigational Testing of Rubber Goods.

C

Cabato, Pacita
Rubber in Philippine Plants 437
Canadian Rubber Association Elects Officers 73

Bishop, Geo. T.
Heads Committee to Advise Industry. 313
Bondogen. 358
BOOK REVIEWS
American Thermometers 124
Bibliography of Bibliographies on Chemistry and Chemical Technology . . . 40
Braiding Machinery. 40
Colloidal Chemistry, Theoretical and Applied. 376
Colored Tire Catalog (Goodrich) 410
Control of Quality and Costs in Batch Mixing and Compounding of Rubber and Heavy Plastics. 40
Cost Accounts in Rubber and Plastic Trades. 124
Dunlop 60% Latex 376
Electrical Characteristics of Rubber Insulation. 208
Employes' Suggestion System. 452
Hard Rubber (Goodrich). 444
Hoyer-Kreuter Technical Dictionary. 124
Manufacturing Expense Budget. 208
National Directory of Commodity Specifications. 452
Native Rubber Cultivation - Eighth Report 40
Native Rubber & Production - 9th Report 1 208
Neuzeitliche Reifenreparateuren - Handbuch fur Reparateure. 40
Platation Sheet Rubber Manufacture. 124
Precision Measuring Instruments 40
Revertex Concentrated Latex 376
Rubber Manufacturers' Association Tire Table. 29
Rubber Growers' Association Twenty- Third Annual Report - 1931. 124
Rubber Information. 376
Rubber Latex. 40
Temperature Controllers 452
Spreading Work. 124
Standards Yearbook 1932 208
Symposium on Rubber 40
Tire and Rim Association Yearbook, 1932 208
Use of Rubber Latex in the Shoe Trade 376
Vanderbilt [illegible] Handbook 1932 191
Wonder Book of Rubber 208
Zinc Oxide Incorporation in the Banbury Mixer 452
Zinc Pigments for Rubber. 40
Brake Linings, Latest Developments in the Manufacture of Molded B.W. Wetherbee 273
British Goodrich Co. opens Stepney Tire Plant. 147
BUREAU OF STANDARDS
Activities of, Relating to Rubber . . . . . A. T. McPherson 359
1. Seeking Basic Knowledge of Rubber Qualities
2. Studies of Properties of Rubber
3. Standards of Quality of Rubber Products
4. Testing Rubber Products for Serviceableness
5. Investigational Testing of Rubber Goods.

C

Cabato, Pacita
Rubber in Philippine Plants. 437
Canadian Rubber Association Elects Officers 73

Canadian Rubber Goods Reports. 408
Canadian Tire Prices Not Up 485
Canadian Trade Survey. 160, 161
Caustic Soda, Handling in Liquid Form by Tank Cars 149
Census of Manufactures, Footwear - 1931. 403
CEYLON
Reports 100,000 Acres Out of Tapping. 116
Uses Scrap Rubber to Tire Locomotives 440
CHEMICALS & CHEMISTRY
Bondogen. 358
Dioxan. 363
Plastogen 363
Gelowax. 24
Stearex Products. 194
Sulfoloid. 239
Zinc Oxides - G. F. A. Stutz - Part I - Properties of Various Zinc Oxides 188

CHEMISTRY & CHEMICALS
M-O-D-X. 239
Non-Tarnishing Compounds 400
Permalux - New Antioxidant 436
Some Heat Effects of Vulcanization 64
Tetrone A 402
Zincoloid 239
China's Rubber Industry. 317
Chlorinated Rubber - 'Tornesit'. 324
Color Dispersions. 155
Compounding Materials, Use of Tank Care in Handling Dry and Liquid. 148
Compounding Room Practice - Modern. 104
Conant Process of Vulcanizing Rubber to Leather 277
Concentration and Compounding of Latex for Industrial Use - Dr. D. F. Twiss. 65
Corduroy Rubber Co. - Annual Report 1931. 28
CORLEY, JAMES R.
The Effect of Texture Compression on the Tensile Strength of Standard Numbered Cotton Duck. 233
Czechoslovakian Rubber Industry. 109

D

Dayton Rubber Mfg. Co.
Stockholders to Meet on Reorganization 29
Dealers Stocks Survey, Tire. 154
Developments in the British Rubber Industry in 1931. 107
Dictatorship to Aid the Rubber Industry, Plan to Set Up. 61
Dioxan. 363
DUNLOP RUBBER CO.
Annual Statement 160
Introduces 'Doughnut' Types Tire 244
New Directors Elected.. 160
Plantation Costs 284
Shows Drop in Plantation Costs 199
Dun's Survey on Rubber Industry 230
Dutch East Indies Tire Market. 328
Duty of 5 Cents Per Pound Proposed on Crude Rubber 101

Canadian Rubber Goods Exports. 408
Canadian Tire Prices Not Up. 485
Canadian Trade Survey. 160,161
Caustic Soda, Handling in Liquid Form by Tank Cars 149
Census of Manufacturers, Footwear - 1931 403
CEYLON
Reports 100,000 Acres Out of Tapping. 116
Uses of Scrap Rubber to Tire Locomotives. 440
CHEMICALS & CHEMISTRY
Bondogen. 358
Dioxan. 363
Plastogen 363
Gelowax 24
Stearex Products. 194
Sulfoloid 239
Zinc Oxides - G. F. A. Stutz - Part I - Properties of Various Zinc Oxides 188
CHEMISTRY & CHEMICALS
M-O-D-X 239
Non-Tarnishing Compounds. 400
Permalux - New Antioxidant. 436
Some Heat Effects of Vulcanization. 64
Tetrone A 402
Zincoloid 239
China's Rubber Industry. 317
Chlorinated Rubber - 'Tornesit' 324
Color Dispersions. 155
Compounding Materials, Use of Tank Care in Handling Dry and Liquid 148
Compounding Room Practice - Modern D. C. Maddy. 104
Conant Process of Vulcanizing Rubber to Leather. 277
Concentration and Compounding of Latex for Industrial Use Dr. D.F.Twiss. . . . 65
CorduroyRubber Co. - Annual Report 1931. 28
CORLEY, JAMES R.
The Effect of Texture Compression on the Tensile Strength of Standard Numbered Cotton Duck. 233
Czechoslovakian Rubber Industry. 109

D

Dayton Rubber Mfg. Co.
Stockholders to Meet on Reorganization. 29
Dealers Stocks Survey, Tire 154
Developments in the British Rubber Industry in 1931 107
Dictatorship to Aid the Rubber Industry, Plan to Set Up 61
Dioxan 363
DUNDOP RUBBER CO.
Annual Statement. 160
Introduces 'Doughnut' Type Tire 244
New Directors Elected 160
Plantation Costs. 284
Shows Drop in Plantation Costs. 199
Dun's Survey on Rubber Industry. 230
Dutch East Indies Tire Market. 328
Duty of 5 Cents Per Pound Proposed on Crude Rubber 101

E

Eclat Rubber Co. - Annual Report - 1931. 27
EDITORIALS
An Import Duty on Rubber. 111
A Rubber Czar. 72
Cheap Japanese Footwear. 195
Coming Campaign 279
Conclusive Proof of Business Revival 439
Credit for Raw Materials 364
Doughnuts and Doldrums 72
Eulogy on Restriction. 26
False Economy vs. Safety 364
Good Roads vs. Tire Wear. 279
More Evidence of Revival 481
Motor Industry Plans. 111
New Rubber 'Junta' 325
"Nuisance Levies" 240
Plantation Problems 72
Readjustments and Wage Scales 404
Research During the Depression. 325
Returning to the Farm 195
Rounding the Corner 364
Rubber Tax Proposal 156
Spreading Work to Give Work 26
Trade Associations in Depressions 240
Virtue in Lower Prices 277
Effect of TextureCompression on the Tensile Strength of . . . . . .
Standard Numbered Cotton Duck - James R. Corley 233
EVANS, R.D.
Evolution of Air Wheels Tire. 401
EXCISE TAX
Comment on, by Leaders in Industry 269
On Tires, Interpretation of. 231
On Tires Spurs Shipments 229
On Tires & Tubes 145, 185
Regulations 316
Exhibit of Products of Gastex 147

F

Financial Position of the Rubber Industry, Present. 475
FINANCIAL REPORTS
Baldwin Rubber Co. 74
Dunlop Rubber Company. 160
Firestone Tire & Rubber Co. - 6 mos. 1932. 270
Goodrich, B. F. Co. - 6 mos. 1932. 397
Goodyear Tire & Rubber Co. - 6 mos. 1932 396
Goodyear Tire & Rubber Co. of Canada 271
Norwalk Tire & Rubber Co. - 6 mos. 113
Overman Tire Company 113
Pennsylvania Rubber Co. - 1931 27
United Carbon Co. 117
U. S. Rubber Co. - 6 mos. 1932 355
Present Financial Position of the Rubber Industry. .. .. .475

FIRESTONE TIRE & RUBBER CO.
Demonstrates Rail-Tire in Florida. 17
Employes Pledge to Buy Autos 103
Financial Statement - 6 most 1932. 270
Plan Exhibit of Plantation at World's Fair 482
Plan Spanish Plant. 483
To Erect Building at Chicago World's Fair . , , ... 281
FISK RUBBER CO.
Chicopee Falls Group Attempt Reorganization 314
Chrysler Reported as Possible Purchaser. 187
Controversy Over Refinancing Plan. 186
General Abandons Plan to Buy 158
Reorganization & Financing Plans 270
Reorganization Plans 365
Reorganization Plans Completed 431
FLOORING, RUBBER. . . . . .
In Singapore 441
Sound Absorption of. 479
Floral City Rubber Co. 405
Flower City Rubber Co. Moves. 157
FOOTWEAR
Dealers Stocks, March 1. 63
New Trends in Rubber . . Ruth Harrington 435
Official Olympic Games Shoe (Mishawaka). 409
Recent Developments in the Worlds' Trade in Rubber 70
'Skyway' Shoes (Cambridge) 284
FOOTWEAR, RUBBER
Census of Manufacturers. 403
Fordlandia, A Visit to. . . . . .A. Ogden Pierrot 19
Foster Rubber Co. Reorganizes 157
France
Government Aids Colonial Planters. 30
French Rubber Trade - 1931. 292

G

Gasoline Prices, World . . . . . .398,7[illegible]
Gastex Exhibit 147
Gelowax. 24
GENERAL TIRE & RUBBER CO.
Abandons Plan to Buy Fisk 158
Passes Common Dividend. 101
Passes Dividend 280
GERMANY
Belting Exports 78
Rubber Goods Trade. 147
Gold Coast Tire Market. 328
GOODRICH, B. F. CO.
Annual Election & Officers & Directors Meeting. 146
Awarded Verdict in $250,000 Suit on Old Miller Contracts. 102
Financial Report - 6 mos. 1932. 397
Opens Stepney Tire Plant (British). 147
Plans Czechoslovakia Plant 197
Sells [illegible] Controls of Hood Rubber Co. 431
Starts 'Co-op' Farm 196

GOODS & SPECIALTIES
Balloons, Campaign (Oak) 443
Balloons, 'Hy-tex' (Oak) 32
Balloons, 'Hy-tex' Novelties (Oak) 284
Belting - Largest in World (Cincinnati) 77
Boat Bumpers (Dunlop) 200
'Cantslip' Rugs (Shelton Looms) 197
Caster (Bassick) 77
Casters, Rubberex (Faultless Caster) 32
Chair Gliders (Faultless) 409
Coaster Skates, Rubber-Tires 191
Codeball (Codeball Corp.) 409
Dish Drainers, Rubber Covered (Miller) 245
Dog Head Mucilage Spreader (Sanford) 77
Dolls (Ideal) 443
Door Mat (Dryden) 285
Dublchemk Valve Cap (Schraeder) 200
Electric Heating Pad (Seamless) 161
Fan Belts, High Speed (Goodrich) 32
'Gam-Bak' (Webb) 284
Footwear (see 'Footwear') . .
GOODYEAR TIRE & RUBBER CO.
Annual Stockholders Meeting 15
Coal Mine Closed by Strike 74
Defends Mail Order Business 354
Financial Report - 6 mos. 485
Financial Statement - 6 mos. 1932 396
Passes Common Stock Dividend 15
Produces 3rd Line Tire 160
Produces its 200,000,000th Tire 471
Rail-Car Tire 155
Secures Rights to Make Michelin Rail-Tire 16
Goodyear Tire & Rubber Co. of Canada, Ltd.
Annual Report 271
Great Britain
Developments in the British Rubber Industry in 1931 107

H

Hamburg Rubber Market 109
Hard Rubber Dust, Duty on 410
Harrington, Ruth
New Trends in Rubber Footwear 435
Haslan, G. S.
Zinc Oxides - Part II - The Effect of Variations in the Properties of Zinc Oxide on its Action in Rubber 237
Hauser, E. A.
Latex and Crude Rubber 67
Hood Rubber Co.
Acquired by Former Employes 431
Hospital Sheeting, Standardized 363

I

Import Duty on Crude Rubber Proposed 101
Improving Dealer Accounting Practices in the Rubber Industry 151

GOODS & SPECIALTIES
Balloons, Campaign (Oak) 143
Balloons, 'Hy-tex' (Oak) 34
Balloons, 'Hy-tex' Novelties (Oak) 284
Belting - Largest in World (Stevinson) 77
Boat Bumpers (Dunlop) 200
'Cantalip' Rugs (Shelton Looms) 177
Castor (Seaslok) 77
Casters, Rubber-ex (Pavilion Caster) 32
Chair Gliders (Pavilion) 209
Coaster Mats, Rubber-Tex 131
Cobeball (Cobeball Corp.) 209
Plan Brainers, Rubber Covered (Miller) 243
Dog Head Inclines Spreader (Sanford) 77
Dolls (Ideal) 143
Door Mat (Dryden) 287
Duplchuck Valve Cap (Schrader) 200
Electric Heating Pad (Seaclean) 141
Fan Belts, High Speed (Goodrich) 32
'Gam-Sol' (Webb) 284
Footwear (see 'Footwear').
GOODYEAR TIRE & RUBBER CO.
Annual Stockholders Meeting 12
Coal Mine Closed by Strike 74
Defends Suit Under Sherman Act 274
Financial Report - 6 mos. 205
Financial Statement - 9 mos. 1932 96
Passes Dividend Stock Dividend 18
Produces 3rd Line Tire 180
Produces 11s 200,000,000th Tire 271
Rail-Car Tire 135
Secures Rights to Make Rideelin Rail-Tire 70
'Goodyear Tire & Rubber Co. of Canada, Ltd.
Annual Report 271
Great Britain
Developments in the British Rubber Industry in 1932 107

H

Hamburg Rubber Market 109
Hard Rubber Dust, Duty on 210
Harrington, Ruth
New Trends in Rubber Footwear 439
Healan, C. S.
Zinc Oxides - Part II - The Effect of Variations in the Properties
of Zinc Oxide on Its Action in Rubber 237
Hauser, E. A.
Latex and Crude Rubber 67
Hood Rubber Co.
Acquired by Former Employes 430
Hospital Sheeting, Standardized 365

I

Import Duty on Crude Rubber Proposed 101
Improving Dealer Accounting Practices in the Rubber Industry 121

INDIA TIRE & RUBBER CO.
Adopts 7-Day Week and Increases Working Press. 187
Increases Salaries 20% 326
Raises Tire Prices 432
Six-Hour Shifts Plan 398
India Tyre & Rubber Co., Ltd. . . . . .
To be Reorganized. 114
India's Tire Trade. 25
I.R.I. . . . . .
Examination Paper. 276
Insulated Wire Industry & Present Costs . . . . . H.A.Seward. 190

J

Japanese Rubber Firms Merge 245

K

KELLY-SPRINGFIELD TIRE CO.
Announces Reorganization Plan. 16
New Stock on N. Y. Exchange. 113
Refinancing Plan Becomes Effective 406
Knapp, W. R.
Solvent Naphtha Recovery for the Rubber Industry 473

L

Latest Developments in the Manufacture of Molded Brake Linings
E. W. Wetherbee. 273
Latex
Measurement of Rubber Latex by the Antimony Electrode. 276
Latex and Crude Rubber. . . . E. A. Hauser. 67
LATEX APPLICATIONS
Concentration and Compounding of Latex for Industrial Use
Dr. D. F. Twiss. . . 65
Latex and Crude Rubber . E. A. Hauser. 67
Latex Fiber's Industries Inc. Formed 16
Latex Process, Latest Trends in. . B. W. Trobridge 321
Latex Processed Rope. 362
Latex Rubber Products, Inc.
Plant for Sale. 113
Leather to Rubber, Conant Process of Vulcanizing 277
Litchfield Sees Stage Set for Early Business Renewal 62
London Rubber Exchange Incorporates. 397

M

MACHINERY & EQUIPMENT
Auto-Check (Toledo). 18
Bale Cutter (Farrel) 400
Calculator for Yarn Numbers (Scott). 403
Cylinder Plating Barrel. 231
Electric-Heated Boilers (Commonwealth) 438
Fade-Ometer (Atlas). 368
Firestone Penetrometer (American Instrument Co.) 239
Hydraulic Platen Presses (National Erie) 479
Machine for Grinding the Surface of Rubber Samples 69
Mixers (Lanzirick). 324

MACHINERY & EQUIPMENT (Continued)
Plasticator (Farrel) 276
Pneumatic Switch (Foxboro) 272
Starter for Synchronous Motors 24
Steam Operated Controller (TAG) 271
Temperature Signaling Device (Uehling) 398
Tensilgraph (Scott) 403
Thickness Gauge (Federal) 109
Tire Gauge (Schrader) 24
Tire Testing Machine (U.S.Rubber) 318
Tuber for Special Compounds (Royle) 406
Maddy, D. C.
Modern Compounding Room Practice 104
Mail Order Tire Prices Raised 432
Malayan Production Prices Raised 109
Manufacturers' Responsibility to Their Dealers . V. I. Montenyohl 434
Maranon, Joaquin
Rubber in Philippine Plants 437
Master Tire Corp. Reelects Officers 27
Maywald, Fred J.
Should We Attempt to Meet Competition of Cheap Foreign Rubber Goods .380
Mexican Tire Market 408
Michelin Demonstrates His Rail
Car in Test Runs Around Akron 101
Method for the Purification of Rubber & Properties of Purified Rubber
A. T. McPherson 477
Michelin Rail-Tire
Goodyear Gets Manufacturing Rights 16
Modern Compounding Room Practice . . . . . D. C. Maddy 104
M-O-D-X 239
Mold Wash Concentrate 64
Montenyohl, V. I.
Manufacturers' Responsibility to Their Dealers 434

Mc

McPherson, A. T.
Activities of the Bureau of Standards Relating to Rubber 359
Method for the Purification of Rubber & Properties of Purified Rubber477

N

NATIONAL SAFETY COUNCIL
Annual Report on Rubber Industry Accidents 353
Program of Washington Congress 398
Rubber Sections Map Plans for Year 33
National Safety Council Plans 26
Netherlands Tire Market 402
New Applications of Rubber from a Research Viewpoint. J. W. Schade . . . 192
Newfoundland Tire Market 485
New Trends in Rubber Footwear . . . . . Ruth Harrington 435
Non-Tarnishing Compounds 400
Norris, Nelson H.
Rubber & Its Application in the Plating Industry 357
NORWALK TIRE & RUBBER CO.
Financial Report - 6 mos 113
Plans Battery Production 196
Nyasaland Rubber 116

OBITUARIES
Bata, Thomas. 330
BeSaw, Earl W. 442
Britton, John Hall. 484
Burgess, Geo. Kimball 329
Deardorff, Edw. C. 31
Ferguson, Sir John. 367
Goodrich, Chas. C. 329
Grimshaw, Herbert 31
Higgins, Walter G. 282
Killian, Fred L. 484
Lawrence, James C. 442
Littlejohn, Lomax 329
Marshall, David Jones 486
Mell, T. J.. 74
Muirheid, Joseph J. 74
Oakley, Califford H. 407
Penfield, R. C. 329
Sibley, D. V. 74
Spaulding, Geo. M. 486
Thropp, Frank W.. 196
Tyson, Robert E.. 197
Wilson, Fred S. 484
O'Neil, Wm.
Testified Before Hofstadter Committee 102
Overman Tire Co.
Financial Report. 113

P

Pennsylvania Rubber Co.
Annual Report - 1931. 27
Permalux - Non-Discoloring Antioxidant 436
Peru's Tire Trade. 110
Philadelphia Rubber Works Co.
Gives Up New York Office. 158
PHILIPPINES
Rubber in Plants of. . . Joaquin Maranon and Pacita Cabato. 437
Pierrot, A. Ogden
A Visit to Fordlandia 19
Plastogen. 363
Plating Industry, Rubber and Its Application in the. . . . .N. H. Norris .357
Porous Rubber. 114
Present Financial Position of the Rubber Industry. 475
Protective Coating for Rubber. 402
Purification of Rubber & Properties of Purified Rubber 477

R

Railcair Demonstrated by Michelin Around Akron 101
Rail Car; Rubber-Tired Bought by Reading R. R. 112
RAIL TIRE
Firestone Demonstrates New Tire in Florida. 17
Goodyear Gets Manufacturing Rights for Michelin Tire. 16
Rail-Tire Coach
P.R.R. Orders 2 from Michelin. 187

OBITUARIES

Bate, Thomas. 190
Belew, Burl B. 182
Britton, John Hall. 184
Burgess, Geo. Kimball 189
Deerhorff, Wm. C. 71
Ferguson, Sir John. 207
Goodrich, Chas. C. 189
Grimshaw, Herbert 71
Higgins, Walter G. 207
Killian, Fred L. 186
Lawrence, James C. 182
Littlejohn, Josiah 189
Marshall, David Jones 190
Neil, T. J. 71
Nutting, Joseph J. 74
Oakley, Clifford H. 207
Penfield, A. C. 189
Sibley, S. V. 74
Spaulding, Dr. W. 186
Thorp, Frank E. 190
Tyson, Robert E. 207
Wilson, Fred B. 186
O'Neil, Mr.
Textiles Before Polarather Committee 102
Overman Tire Co.
Financial Report. 113

Pennsylvania Rubber Co.
Annual Report - 1931. 97
Permanax - Non-Discoloring Antioxidant 136
Perry's Tire Trade. 110
Philadelphia Water Works Co.
Gives Up New York Office. 138
PHILIPPINES
Rubber in Plants of. . . Joseph Ferguson and Fenita Lemmon 207
Pierrot, A. Ogden
A Visit to Portoluzia 19
Plastogen. 304
Plating Industry, Water and Its Application in the . . . H. W. Gillig . 197
Porous Rubber. 114
Present Financial Position of the Rubber Industry. 175
Protective Coating for Rubber. 206
Purification of Rubber & Properties of Purified Rubber 177

Railroad Decontrolled by Nebraska Supreme Court 101
Rail Car; Rubber-Tired Weight by Reading R. R. 112
RAIL TIRES
Firestone Demonstrates New Tire in Florida. 17
Goodyear Gets Manufacturing Rights for Nebraska Tire. 16
Rail-Tire Ocean
P.R.R. Orders 2 from Goodyear. 187

Recent Developments in the World's Trade in Rubber Footwear. 70
RESTRICTION
Failure of Plans Causes Acute Situation for Planters. 17
Inside Story of the Parley. 116
Rims
New Truck (Firestone) 438
Roadways, Rubber
'Singatex' Process. 245
ROESSLER & HASSLACHER
Chemical Company Inc.
Elects New Officers 74
Rollers, Rubber & Composition. 319
Rope, Latex Processed. 362
Rubber Association of Canada Elects Officers 73
Rubber and Composition Rollers 319
Rubber Consumption, U. S. Survey 108
Rubber Cylinder Plating Barrel 231
RUBBER DIVISION, A.C.S.
Abstracts of Papers, Denver Meeting 399
Akron Group, Holds Outing & Dinner. 230
Akron Group, Plan Dinner & Outing 197
Chicago Group Meeting May 13. 146
Chicago Group Meeting May 13. 103
Chicago Group Meeting March 25. 18
Denver Meeting. 433
Denver Meeting Announcement 356
New York Group, Abstracts of Papers, May 18, meeting. 153
New York Group Meeting, May 18. 112
New York Group - To Meet Oct. 5 472
Rubber Exchange Co., Ltd. of Canada. 397
RUBBER EXCHANGE OF NEW YORK
Exchange Seat Sold. 113
Expels Member. 73
New Members. 482,113
Nominate Officers for 1932-33. 472
Two New Contracts Adopted 196
Rubber in Philippine Plants. Joaquin Maranon & Pacita Cabato. 437
Rubber Manufacturers' Association . . . . . .
Protests Against Cheap Foreign Footwear. 397
Rubber Manufacturers Association of New Jersey. . . . . .
Has Outing & Elects Officers. 365
Rubber to Burn 116
Russia's Growing Rubber Industry 272
Russian Rubber Chemicals 408
Russian Synthetic Rubber 476
Rutherford, W. O. . . . . .
Indicts Industry in Statement on Sales Management 315

S

Safety Gates for Mills. 64
Schade, J. W.
New Applications of Rubber from a Research Viewpoint 192
Scorched Compounds 69
Seward, H. A.
Problems of the Insulated Wire Industry 190
Scrap & Reclaimed Rubber, Freight Rates on. 194

Recent Developments in the World's Trade in Rubber Products. 70
RESTRICTION
Failure of Plans Designs Above Criticism for Planters. 77
Inside Story of the Parley. 110
Plan
New Truck (Firestone) 134
Roadways, Rubber
'Slingatex' Process. 142
ROBINSON & MARSHALL
Chemical Company Inc.
Elects New Officers 74
Rollers, Rubber Composition. 149
Rope, Latex Processed. 182
Rubber Association of Canada Elects Officers 182
Rubber and Composition Rollers 149
Rubber Consumption, U. S. Survey 149
Rubber Cylinder Plating Barrel 191
RUBBER DIVISION, A.C.S.
Abstracts of Papers, Denver Meeting 179
Akron Group, Holds Outing & Dinner. 120
Akron Group, Plan Dinner & Outing 177
Chicago Group Meeting May 13. 120
Chicago Group Meeting May 13. 120
Cleveland Group Meeting March 25. 19
Denver Meeting. 179
Denver Meeting Announcement 179
New York Group, Abstracts of Papers, May 16, meeting. 119
New York Group Meeting, May 16. 119
New York Group - To Meet Oct. 5 177
Rubber Exchange Co., Ltd. of Canada. 177
Exchange Seat Sold. 119
Expels Member. 79
New Members. 183,119
Nominate Officers for 1932-33. 177
Two New Contracts Adopted 179
Rubber in Multiple Plants. Showing Expansion & Facts & Data. 177
Rubber Manufacturers' Association
Probable Applicant Group Forming Locally. 177
Rubber Manufacturers Association of New Jersey
Has Outing & Elects Officers. 119
Rubber to Burn 305
Russia's Growing Rubber Industry 119
Russian Rubber Specials 204
Russian Synthetic Rubber 275
Rutherford, W. G. 215
Indices Industry in Statement on Value Management 215

S

Safety Dates for Mills 64
Solomon, J. E.
New Applications of Rubber From a Western Viewpoint 134
Sprayed Compounds 89
Steward, H. A.
Problems of the Insulated Wire Industry 190
Sorgo & Vegetable Rubber, Freight Rates on. 124

Scrap Rubber
New Freight Rates 326
Shakespeare in Praise of Rubber 27
Should We Attempt to Meet Competition of Cheap Foreign Rubber Goods
Fred. J. Maywald 480
SILVER, B. R.
Zinc Oxides - Part III
Practical Significance of Variations in the Properties
of Zinc Oxide on the Performance of Rubber Compounds in
Processing and in Actual Use 275
Solvent Naphtha Recovery for the Rubber Industry. . . . .W. R. Kaapp. . . 473
Sound Absorption of Rubber Flooring 479
Spain
Firestone Plans Factory. 328
Stearex Products 194
STUTZ, G. F. A.
Zinc Oxides
Part I - Properties of Various Zinc Oxides 188
Sulfoloid. 239
Sweden's Tire Market 64
Synthetic Rubber, Russian. 476

T

Tank Cars, Use of, in Handling Dry & Liquid Compounding Materials. 148
Tax, Comment on Tire Excise Tax by Leaders of Industry. 269
Tax Law, Interpretation of New Tire. 232
Tax, on Tires, Spurs Shipments. 229
Tax, Tax on Tires & Tubes, etc. 145
Tax on Tires & Tubes, Hoover Signs Bill for 185
Tax, Tire, Amount Paid in July. 441
Tax, Tire, Regulations. 316
Tempered Rubber - Photograph. 103
Tetrone A. 402
Thiokol in Commercial Production 231
Thiokol Products. 474
Tire Dealers' Stocks Survey 154
Tire Exports 147
TIRE FABRICS
The Effect of Texture Compression on the Tensile
Strength of Standard Numbered Cotton Duck . . .James R. Corley. . . .233
TIRE PRICES
Advance Urged by U. S. Rubber Executive. 102
Prices Advance. 471
Tire Production - 1931 ½ in Value 354
TIRES
Air-Less at Last (Craig). 403
Biggest Tire Explodes 365
Cheap and Fair Priced . . . . . .Wm. O'Neil 438
Colored Tire Catalog (Goodrich) 410
Comparative Exports 485
Dayton 'Super-Balloon'. 161
Doughtnut Changes on Rims 410
Dunlop Introduces Doughnut Type 244
Evolution of the Airwheel Tire. . . . . R. D. Evans 401
Firestone Tire for Tractors. 155
For Farm Wagons 485

Scrap Rubber

New Product Notes. 238

Shakespeare in Praise of Rubber 27

Should We Attempt to Meet Competition of Cheap Foreign Rubber Goods

Fred . J. Upgren 180

SILVER, E. R.

Zinc Oxides - Part III

Practical Significance of Varieties in the Properties

PHYSICAL of Zinc Oxide on the Performance of Rubber Compounds in

Processing and in Actual Use 272

Solvent Naphtha Recovery for the Rubber Industry. . . . . W. A. Zapon. . . 279

Sound Absorption of Rubber Flooring 279

Spain

Firestone Plans Factory. 238

Stearex Products 194

STUTZ, C. F. A.

Zinc Oxides

Part I - Properties of Various Zinc Oxides 182

Sulfofield. 239

Sweden's Tire Market 84

Synthetic Rubber. Russian. 279

T

Tank Cars, Use of, in Handling Dry & Liquid Compounding Materials. . . . 118

Tax, Comment on Tire Excise Tax by Leaders of Industry. 209

Tax Law, Interpretation of New Tire. 232

Tax, on Tires, Spare Shipments. 229

Tax, Rate on Tires & Tubes, etc. 145

Tax on Tires & Tubes, Hoover Signs Bill for 145

Tax, Tire, Amount Paid in July. 111

Tax, Tire, Regulations. 216

Tempered Rubber - Photogrpn. 109

Tetrone A. 102

Thiokol in Commercial Production 231

Thiokol Products. 174

Tire Dealers' Stocks Survey 134

Tire Exports 147

TIRE FABRICS

The Effect of Texture Compression on the Tensile

Strength of Standard Numbered Cotton Duck . . Jason M. Cortez. . . 253

TIRE PRICES

Advance Urged by U. S. Rubber Executive. 102

Prices Advance. 111

Tire Production - 1931 in Value 234

TIRES

Air-Less at Last (Graig). 209

Biggest Tire Explodes 265

Cheap and Fair Priced . . . . . Mr. O'Neil . . . 238

Colored Tire Catalog (Goodrich) 110

Cooperative Exports 105

Dayton 'Super-Balloon'. 181

Doughnut Changes on Rims 110

Dunlop Introduces Doughnut Type 214

Evolution of the Airwheel Tire. . . . . R. D. Evans 101

Firestone Tire for Tractors. 135

for Farm Wagons 185

TIRES - (Continued)
Goodyear Rail-Car Tire. 155
Gum,-Cushioned (Gutta Percha) 29
New Doughnut Tires Mean Expenditure of 5 Million for New Equipment. . 62
New Goodrich Doughnuts. 443
P.R.R. Orders 2 Rail-Tired Coaches from Michelin. 187
Odd uses for Old 110
Peru's Trade in 110
'Shock Ply' Construction (U.S.Rubber) 284
Snowshoe Tire 'zero pressure' (Goodrich). 443
Tax on. 145,185
What are the Prospects for the Tire Industry in 1932? 23
Unique Test by U. S. Rubber Co. 241
'Zero Pressure' Tractor Tire (Goodrich) 284
Tire Tax, Spurs Shipments 229
Tire Testing Machine (U. S. Rubber Co.). 318
Tire Trade, World - 1931 / / 18
'Tornesit' - Chlorinated Rubber. 324
Trobridge, A. W.
Latest Trends in Latex Processes. 321
Tubest
New Kelley-Springfield 200
Twiss, Dr. D. F.
Concentration and Compounding of Latex for Industrial Use 65

U

United Carbon Co.
Financial Report 117
UNITED STATES RUBBER CO.
Advances Output 15% on 5-Day Week. 103
Financial Report - 6 mos. 1932 355
Forms Latex Fibers Industries Inc. 16
Get Tax Revenue Refund 196
Introduces 'Tempered Tires'. 28
Plans Centralizing Sales Offices 405
Unique Tire Test 241
Use of Tank Cars in Handling Dry & Liquid Compounding Materials 148

V

Varnishes & Lacquers in Rubber Footwear. 476
Vodka Makes Rubber. 482

W

Wetherbee, B. W.
Latest Developments in the Manufacture of Molded Brake Linings. . . .273
What are the Prospects for the Tire Industry in 1932 23
World Tire Trade - 1931 18

Y

Yale Tire & Rubber Co. Liquidates. 74

Z

Zincoloid. 239

TIRES - (Continued)
Goodyear Rail-Car Tire. 159
Gov.-Ordained (Outta Perche) 29
New Doughnut Tires Mean Expenditure of $ MILLION for New Equipment. . 82
New Goodrich Boughmate. 242
P.R.R. Orders 2 Rail-Tired Coaches from McDonald. 187
Odd uses for Old 110
Pera's Trade in 110
'Shock Ply' Construction (U.S. Rubber) 234
Showplace Tire 'zero pressure' (Goodrich). 242
Tax on. 145,185
What are the Prospects for the Tire Industry in 1932? 29
Unique Test by U. S. Rubber Co. 241
'Zero Pressure' Tractor Tire (Goodrich) 284
Tire Tax, Spare Subjected 229
Tire Testing Machine (U. S. Rubber Co.). 238
Tire Trade, World - 1931 18
'Torvesit' - Chlorinated Rubber. 234
Trobridge, A. T.
Latest Trends in Latex Processes. 231
Tubent
New Valley-Springfield
Twiss, Dr. D. F.
Concentration and Compounding of Latex for Industrial Use 59

U

United Carbon Co.
Financial Report 117
UNITED STATES RUBBER CO.
Advances Output 12% on 5-Day Week. 109
Financial Report - 6 mos. 1932 355
Forms Latex Fibre Industries Inc. 16
Get Tax Refund Refund 196
Introduces 'Tempered Tires' 29
Plans Centralizing Sales Offices 105
Unique Tire Test 241
Use of Tank Cars to Handling Dry & Liquid Compounding Materials 145

V

Varnishes & Lacquers in Rubber Footwear. 176
Vodka Makes Rubber 182

W

Wetherbee, B. R.
Latest Developments in the Manufacture of Molded Brake Linings. . . 273
What are the Prospects for the Tire Industry in 1932 29
World Tire Trade - 1931 18

Y

Yale Tire & Rubber Co. Liquidates. 71

Z

Zinsolith. 239

ZINC OXIDES

Part I - Properties of Various Zinc Oxides . . G.F.A.Stutz. 188
Part II - The Effect of Variations in the Properties of Zinc Oxide on its Action in Rubber. . .G.S.Haslan 237
Part III - Practical Significance of Variations in the Properties of Zinc Oxides on the Performance of Rubber Compounds in Processing and in Actual Use . . . B. R. Silver 275
Surface Treaded, No. 352. 376